

Converting Colors

CIELCh(81, 71.825, 177.637)

Have a look what the booklet for
CIELCh(81, 71.825, 177.637)
contains.

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Color

CIELCh(83, 56.205, 173.539)

Conversions

Conversions Part 1

Format	Color
Hex	00E9C1
RGB	0, 233, 193
RGB Percent	0%, 91%, 76%
CMY	0.9986, 0.0860, 0.2429
CMYK	1.00, 0.00, 0.17, 0.09
HSL	170°, 100%, 46%
HSV	170°, 100%, 91%
XYZ	38.7896, 62.1629, 60.4364
YIQ	158.7730, -126.0280, -61.8360

Conversions

Conversions Part 2

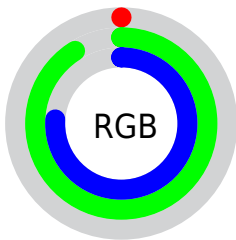
Format	Color
RYB	0, 127, 233
Decimal	59841
CIELab	83.00, -55.85, 6.32
CIELCh	83, 56.205, 173.539
Yxy	62.1629, 0.2403, 0.3852
Android (android.graphics.Color)	4278249921 (0xFF00E9C1)
YUV	158.7730, 16.8739, -139.2439
Hunter-Lab	78.8435, -50.1573, 9.7425

Details

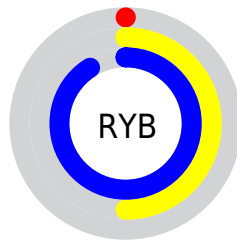
The CIELCh color **83, 56.205, 173.539** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **49, 89.074, 32.245**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 40.951, 192.503**, and **64, 47.307, 170.459** is the 20% darker color. If you saturate the color by 10%, you get **83, 56.233, 173.512**, and if you desaturate by 10%, it is **83, 54.291, 175.233**.

Distribution



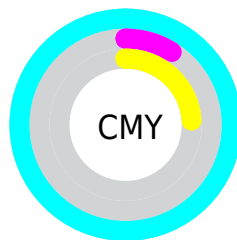
- Red (0%)
- Green (91%)
- Blue (76%)



- Red (0%)
- Yellow (50%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 56.205, 173.539 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 83, 56.205, 173.539 by changing the saturation by 10% instead.


 83, 56.205,
173.539


 83, 56.205,
173.539


 100, 56.205,
173.539


 73, 56.205,
173.539

 63, 56.205,
173.539

 53, 56.205,
173.539

 43, 56.205,
173.539

 33, 56.205,
173.539

 23, 56.205,
173.539

 13, 56.205,

173.539

■ 3, 56.205, 173.539

■ 0, 56.205, 173.539

■ 83, 56.205,
173.539

■ 83, 56.205,
173.539

■ 83, 56.233,
173.512

■ 83, 54.291,
175.233

■ 84, 51.604,
176.794

■ 84, 47.957,
178.201

■ 85, 43.322,
179.476

■ 85, 37.743,

180.641

■ 86, 31.316,
181.718

■ 88, 24.172,
182.728

■ 89, 16.455,
183.688

■ 91, 8.308, 184.628

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83, 56.205, 173.539



49, 89.074, 32.245

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 56.205, 173.539



83, 56.205, 223.539



83, 56.205, 353.539



83, 56.205, 43.539

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83, 56.205, 173.538



95, 26.116, 182.698



81, 110.276, 134.966



50, 17.605, 182.277



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 56.205, 173.538



90, 60.259, 173.420



62, 47.348, 259.918



48, 4.822, 184.664



66, 46.382, 173.814



19, 19.254, 176.617

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49, 89.074, 32.245



53, 95.713, 32.590



54, 87.910, 47.761



46, 5.023, 6.222



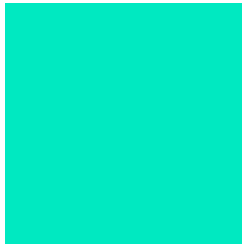
38, 73.150, 31.399



7, 27.963, 15.631

Previews

White Background



This preview shows how the CIE LCh color 83, 56.205, 173.539 looks on a white background.

Color Contrast Check

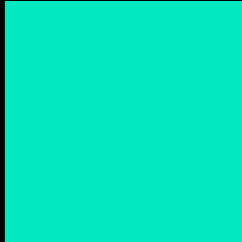
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 83, 56.205, 173.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

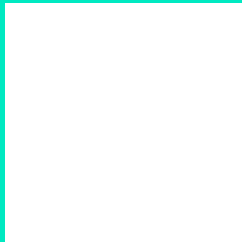
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 56.205, 173.539

Background



This preview shows how black text looks on a background with the CIELCh color 83, 56.205, 173.539.

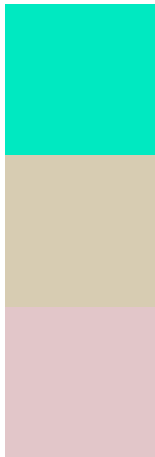


This preview shows how white text looks on a background with the CIELCh color 83, 56.205, 173.539.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

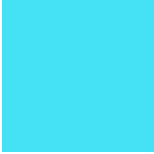
Dichromacy



Original Color
83, 56.205, 173.539

Protanopia
82, 14.339, 91.762

Deuteranopia
82, 10.560, 11.597

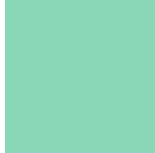


Tritanopia
83, 40.063, 210.844

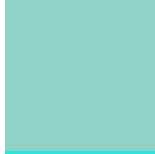
Trichromacy



Original Color
83, 56.205, 173.539



Protanomaly
80, 32.136, 165.136



Deuteranomaly
80, 23.919, 180.763

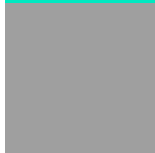


Tritanomaly
83, 44.944, 193.714

Monochromacy



Original Color
83, 56.205, 173.539



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 29.446, 180.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 56.205, 173.539 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 233, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 193)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 233, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 56.205, 173.539 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 233, 193) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 233, 193) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 233, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 56.205, 173.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 193) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 233,  
193) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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